

VK 100 EC



Inline centrifugal fans in plastic casing

- Maximum airflow: 340
- Sound pressure level LpA at 3 m: 40
- Motor type: EC
- Impeller type: Centrifugal backward curved blades
- Casing material: Plastic
- Installation in any position

	Unit of measurement	VK 100 EC
Connected air duct size	mm	100
Speed	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	82
Unit current	A	0.62
Maximum airflow	m ³ /h	340
Sound pressure level LpA at 3 m	dB(A)	40
Weight	kg	2
Transported air temperature (max)	°C	60
Transported air temperature (min)	°C	-25
Ingress protection rating	-	IPX4
Ingress protection rating of the drive	-	IP55
ErP compliance	-	2016, 2018
Cold - Specific energy consumption (SEC)	kWh/(m ² /a)	53.5
SEC Class Cold	-	A+
Average - Specific energy consumption (SEC)	kWh/(m ² /a)	26.4
SEC Class Average	-	B
Warm - Specific energy consumption (SEC)	kWh/(m ² /a)	10.9
SEC Class Warm	-	E

Unit category	-	RVU
Type of ventilation unit	-	Unidirectional
Type of drive installed	-	Variable speed
Type of heat recovery system	-	None
Maximum flow rate	m ³ /h	296
Electric power input	W	82
Reference flow rate	m ³ /s	0.058
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m ³ /h)	0.143
Control typology	-	Local demand control
Maximum external leakage rates	%	2.7
Cold - The annual electricity consumption (AEC)	kWh/a	76
Average - The annual electricity consumption (AEC)	kWh/a	76
Warm - Jährlicher Stromverbrauch (JSV)	kWh/a	76
Cold - The annual heating saved (AHS)	kWh/a	5536
The annual heating saved (AHS) Average	kWh/a	2830
The annual heating saved (AHS) Warm	kWh/a	1280
Declared typology	-	RVU UVU
Sound power level	dB(A)	51

Dimensions

ØD	ØD1	B	L	L1	L2	L3
100	250	270	230	30	27	30

